

**Tentative Program**

# **2<sup>nd</sup> Global Conference on Material Science and Nanotechnology**

**Theme: Pioneering Discoveries in Material  
Science and Nanotechnology**

**April 13-15, 2026  
Paris, France**

Phone number: +1 214 731 7766

WhatsApp number: +1 214-831-3945

Website: <https://worldnanotechnologycongress.com/>

Abstract: <https://worldnanotechnologycongress.com/abstract-submission>

Registration: <https://worldnanotechnologycongress.com/register>

## Keynote Presentations-Virtual

<b>Alexander G. Ramm</b> Kansas State University, United States,	Title: Creating materials with a desired refraction coefficient and other applications
<b>Stanislav Ordin</b> Russian Academy of Sciences, Russian Federation	Title: Nano technologies and physics of the missing scale
<b>Paulo Cesar De Moraes</b> Catholic University of Brasilia, Brazil	Title: Exploring nanomagnetism of molecular-dressed ultrafine nanoparticles
<b>Konstantin Zsukovszki</b> HUN-REN Wigner RCP, Hungary	Title: Ion Energy Boost and Enhanced Energy Transfer from Laser Radiation to Matter with Resonating Nanoantennas
<b>Kung Chung Yuan</b> National Chung Hsing University, Taiwan	Title: The direct evidence of relation between Penrose tiling and Quasi crystal
<b>Osman Adiguzel</b> Firat University, Turkey	Title: Shape reversibility and the role of twinning reactions in martensitic transformations in shape memory alloys
<b>Yashu Swami</b> Manav Rachna International Institute of Research and Studies, India	Title: Smart nanoelectronics: integrating AI and ML in materials design and nanoscale device optimization
<b>S.V.A.R.Sastry</b> Harcourt Butler Technical University, India	Title: Bio synthesis and characterization of plectranthus amboinicus derived silver nanoparticles impregnated with zeolite
<b>Rabindranath Jana</b> Haldia Institute of Technology, India	Title: Nanomaterials for effective industrial fire control

**Manjot Kaur Sidhu**  
CGC University, India

Title: Nano intelligence: Synergistic integration of artificial intelligence and nanotechnology for next generation engineering systems

**Keynote Presentation slots are available**

## Oral Presentations-In-Person

**Antonio Pantano**  
University of Palermo, Italy

Title: Characterizing nanoparticle dispersion with a novel micro thermographic approach based on pulsed laser excitation

**Abdeen Mustafa Omer**  
Energy Research Institute (ERI), United Kingdom

Title: Energy efficient for heat exchanger, refrigeration and air conditioning

**Yangui Yu**  
Wenzhou University/Zhejiang Guangxin Research Institute, China

Title: Calculation theories & models & methods from microscopic, nanometer to macroscopic sizes in whole process on damage & crack in metal materials & structures

**Arbi Fattoum**  
University of Gafsa, Tunisia

Title: Non-surgical therapy of periodontal disease. scope of a new treatment protocol

**Christopher Oluwatobi Adeogun**  
South China University of Technology, China

Title: 2-D equivalent analytical model for winding losses calculation in gapped magnetic components

**Hussain Shafaat**  
Beijing Institute of Technology, China

Title: Enhanced performance quantum dot infrared photodetectors via interface engineering with mxenes

**Angyang Yu**  
Liaoning Technical University, China

Title: Theoretical insights into structure, electronic and mechanical properties of RuB<sub>x</sub> (x=1, 2, 3)

<b>Prakash Jayabal</b> Translational Health Science and Technology Institute, India	Title: Translational potential of a sustainable mxene/collagen patch for chronic wound care
<b>Leonard Mwaikambo</b> University of Dar es Salaam, Tanzania	Title: Structure Property Relationship of Cellulosic Fibres
<b>Bashir H Osman</b> University of Sinnar, Saudi Arabia	Title: Seismic behavior of energy saving self insulating masonry walls under in plane cyclic loading
<b>Haim Livni</b> Oslo Reliability, Israel	Title: Nano Reliability Models
<b>Muhammad Jehangir</b> Air pharmaceutical, Pakistan	Title: Biotransformation of pharmaceutical drugs
<b>Shahab Khan</b> University of Malakand, Pakistan	Title: Synthesized tio2 nanoparticles mitigating salinity stress in okra plants via foliar application
<b>Syeda Hijab Zehra</b> Lithuanian Research Center for Agriculture and Forestry, Lithuania	Title: Microwave assisted synthesis of antimicrobial silver nano particles using propolis extracts
<b>Taoreed Adesola Adegbola</b> Tshwane University of Technology, South Africa	Title: Design and characterization of Mg-Zr/Ti/Ni/Cr alloys for optimized mechanical and electrochemical performance in biomedical applications
<b>Basiru Philip Aramide</b> Tshwane University of Technology, South Africa	Title: Effect of al content on mechanical properties and wear resistance of spark plasma sintered ticunisi-al high entropy alloy
<b>Mandla Vincent Khumalo</b> Nelson Mandela University, South Africa	Title: Development of sustainable natural fibre green composites for industrial applications in south africa

<b>Oluwasegun Chijioke Adekoya</b> Tshwane University of Technology, South Africa	Title: PEGylated graphene oxide nanocarriers for 4'-Fluorouridine delivery: An ab initio framework for antiviral and tumor-targeted therapy
<b>Sajid Hussain Siyal</b> Dawood University of Engineering & Technology, Pakistan	Title: Advanced nano ceramic composite electrolytes via uv assisted processing for next gen metallic battery devices
<b>Benfdila Arezki</b> Mouloud Mammeri University, Algeria	Title: Advanced technology for producing clean water
<b>Usman Iliyasu</b> Sokoto State University, Nigeria	Title: Development of high density lead oxide doped borate glasses for radiation shielding applications
<b>Samar Ghopry</b> Jazan University, Saudi Arabia	Title: Enhanced photodetection in intermixed TMD nanodiscs graphene heterostructure nanohybrids
<b>Nicholas Muparadz</b> University of Zimbabwe, Zimbabwe	Title: Nanotechnology: A review on the application of nano materials in water purification and nano medicine in the zimbabwean context

## Oral Presentations-Virtual

<b>Gregory L. Light</b> Providence, United States	Title: On pauli matrices and the implied spacetime geometry
<b>Sachin Sharma Ashok Kumar</b> Taylor's University, Malaysia	Title: The development of graphene oxide-based nanocomposite coatings as anti-corrosion novel surfactant



<b>Michael Anjello Jothi Rajan</b> Aadhavan Educational and Research Trust, India	Title: Ethics of nanotechnologies driven engineering: The often overlooked and missing component in research
<b>Dharmendra Kumar</b> Swami Vivekananda Subharti University, India	Title: Quercetin loaded banana starch nanoparticles: A novel anti cancer delivery system
<b>Sarvani Jowhar Khanam</b> University of Hyderabad, India	Title: Advancements in organic inorganic metal halide perovskites driving clean energy solutions
<b>J Bagyalakshmi</b> Sri Ramakrishna Institute of Paramedical Sciences College of Pharmacy, India	Title: Characterization and evaluation of green synthesised selenicereus undatus silver nanoparticles of the fruit peel for anti diabetic activity
<b>Andrey Belousov</b> Intensive Care Kharkiv National Medical University, Ukraine	Title: Uncovering novel antibacterial mechanisms of magnetite nanoparticles (MCS-B): A new frontier in nanomedicine
<b>Lili Sun</b> GTTC, China	Title: Rapid Screening Methods of Harmful Chemicals in Textiles
<b>Arash Ebrahimi</b> Comenius University Bratislava, Slovakia	Title: Novel ammonia atmosphere assisted synthesis of zeolitic imidazolate framework 7 for efficient nanophotocatalysis
<b>Abdul Muneeb</b> University of Engineering and Technology, Pakistan	Title: Dielectric barrier discharge Plasma based modification of synthesized Ag-TiO <sub>2</sub> nanocomposites for enhancement of photocatalytic activity from UV to visible region
<b>Moqadasi Hamideh</b> University of Tehran, Iran (Islamic Republic of Iran)	Title: Temporal single spike coding and learning for effective transfer learning

**Ahmad Reza Rastkar**

Shahid Beheshti University, Iran, Islamic Republic of

Title: Formation of vertically aligned carbon nanotubes on metal substrates

**Olaniyi Awe**

Obafemi Awolowo University, Nigeria

Title: Empirical studies on natural water resources in alluvial gold ore mining communities

**Abdelmalek Ammari**

National School of Architecture Marrakech, Morocco

Title: Characterisation of the mineralogical, chemical and physical properties of earth mortars

Oral Presentation slots are available

## Poster Presentation – In Person

**Mingwei Chen**

The First Affiliated Hospital of Xi'an Jiaotong University, China

Title: Therapeutic mechanism of hucMSCs via circANKRD42-miR-136-5p-YAP1 in pulmonary fibrosis

**Renu Devi**

Indian Institute Of Technology, India

Title: Sodium alginate hydrogels embedded with copper co crystals and zinc oxide nanoparticles for advanced wound healing applications

**Mamadou Dia**

Cheikh Anta Diop, Senegal

Title: Theoretical study of the evolution of mesh disagreement rate of heterostructures based on gasb, ga1-xinxsb, and ga1-xalxsb, and the determination of the critical thickness of ga1-xinxsb, and ga1-xalxsb epitaxies layers

**Iza Rozman**

National Institute of Biology, Slovenia

Title: Safety profiling of magnetic nanoparticles: Cyto and genotoxicity in 3D human hepatic model in vitro

**Luan Qafmolla**

Private Consultant, former employee of Institute Nuclear physics, Albania

Title: Development of policy and strategy of the nanomaterials for environmental safety or security by radioactive ,nuclear agents at critical infrastructure facilities in albania

## Poster Presentation - Virtual

**Armand Tchakounte Ngoungue**  
University of Douala, Cameroon

Title: Optimization of the synthesis of a geopolymer based on volcanic slag and iron filings for the decolorization of used palm kernel oil employed in electrical transformers

**Poster Presentation slots are available**